

Industrial Network and Security Solutions (INSS)

Challenges

Developing a robust and secure network infrastructure requires protecting the integrity, availability, and confidentiality of control and information data. When starting the industrial network journey, it is important to address the resiliency of the network infrastructure, consistency of the data, and security from manipulation of the data. The methodology for assessing INSS includes:

- ▶ Understanding application and functional requirements
- ▶ Developing a logical framework
- ▶ Developing a physical framework to align with and support the logical framework
- ▶ Determining security requirements
- ▶ Applying best practices and industry standards

Benefits

Benefits of developing a fully protected system:

- ▶ Unauthorized access risk reduced
- ▶ Confidence that employee, consumer and public safety is protected
- ▶ IT network is protected from OT system breaches – and inversely
- ▶ Breach detection and procedures in place to detect and recover quickly

Network Solutions Roadmap

Polytron's approach for Network and Security Solutions are driven by **our clients' business needs and strategies**. Our roadmap ensures secure, standardized, and consistent network integration to enable plant and enterprise-wide information sharing.

Network Solutions Overview:

- ▶ Overall Project Management
- ▶ Consulting & Network/Security Assessments
- ▶ Bridge between IT/OT Teams
- ▶ Network Migration Planning
- ▶ Definition and Design
- ▶ Network Architectures
- ▶ Implementation of Solution
- ▶ Installation and Configuration
- ▶ IP Address Migration
- ▶ Solution Validation
- ▶ Network Health Report
- ▶ Technology Transfer & Training

